

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
 Data File : VL042391.D
 Acq On : 18 Apr 2025 14:45
 Operator : SY/MD
 Sample : Q1726-05DL2 100X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-1-03312025DL2

Quant Time: Apr 18 22:59:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

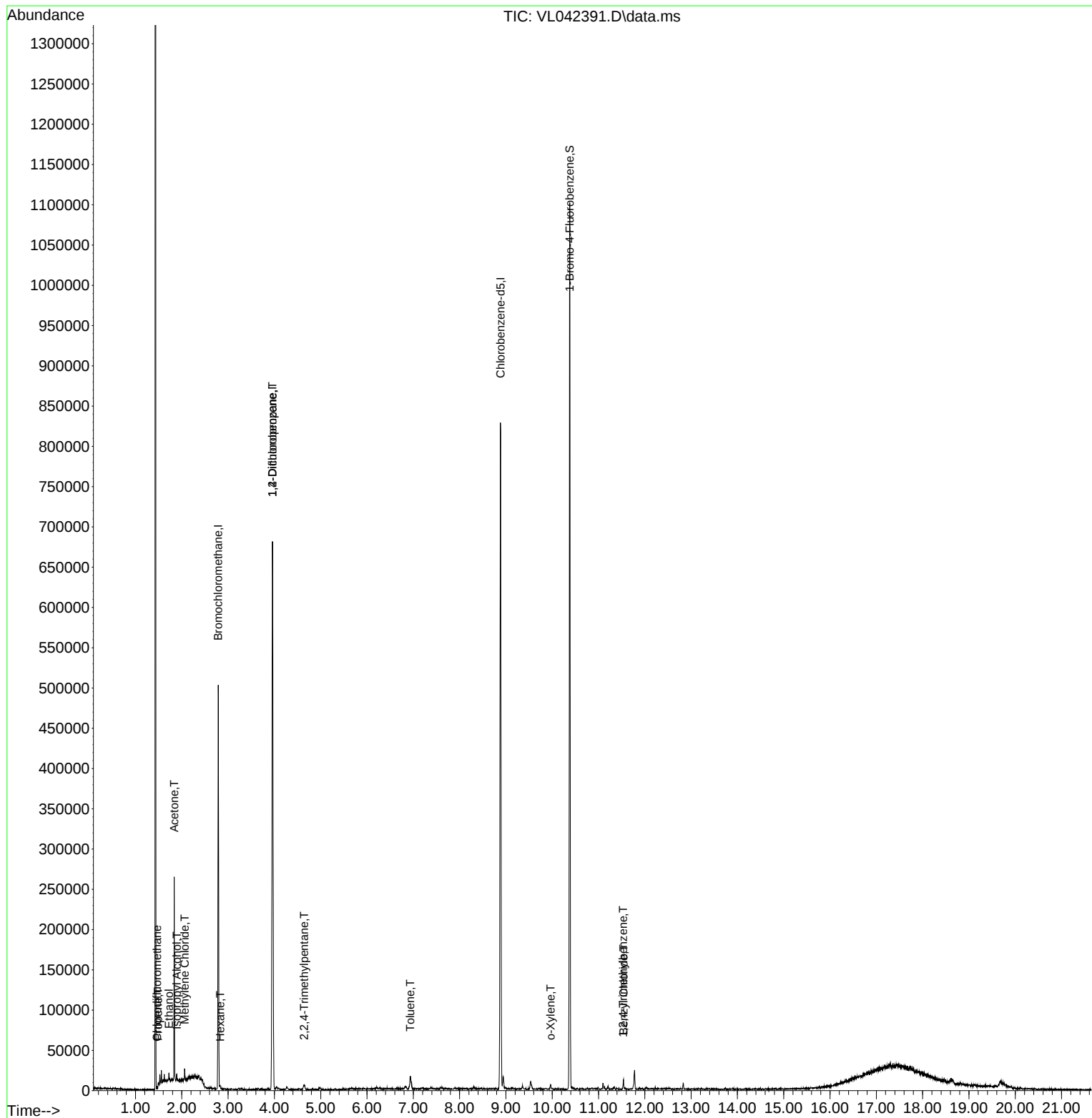
Internal Standards						
1) Bromochloromethane	2.787	49	125703	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	390416	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	327579	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	273896	10.175	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.466	51	721	0.034	ppbv #	90
9) Propene	1.486	41	476	0.049	ppbv #	15
13) Ethanol	1.722	45	3027	1.977	ppbv #	24
15) Acetone	1.835	43	104075	5.058	ppbv	99
19) Isopropyl Alcohol	1.890	45	3377	0.295	ppbv #	1
20) Methylene Chloride	2.062	84	1951	0.242	ppbv	93
26) Hexane	2.829	57	781	0.038	ppbv #	68
39) 1,2-Dichloropropane	3.959	63	101075	6.441	ppbv #	22
44) 2,2,4-Trimethylpentane	4.645	57	5432	0.075	ppbv #	79
53) Toluene	6.936	91	8344	0.165	ppbv #	84
60) o-Xylene	9.966	91	2871	0.055	ppbv	97
66) Benzyl Chloride	11.539	91	491	0.063	ppbv #	78
74) 1,2,4-Trimethylbenzene	11.532	105	2488	0.037	ppbv #	62

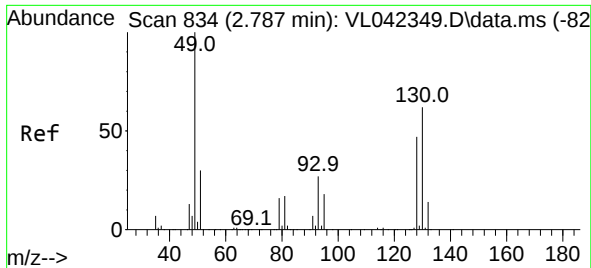
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IA-B2-1-03312025DL2

Quant Time: Apr 18 22:59:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

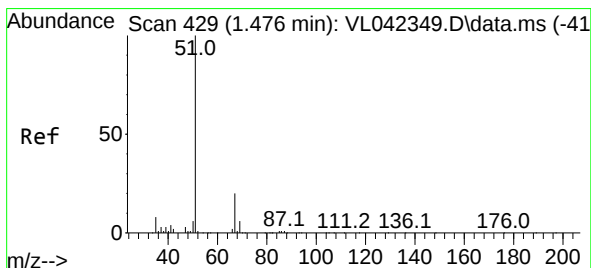
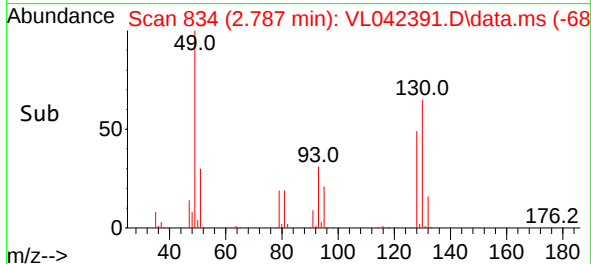
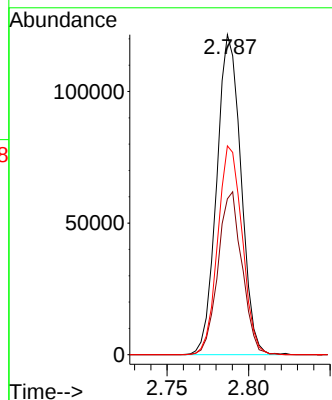
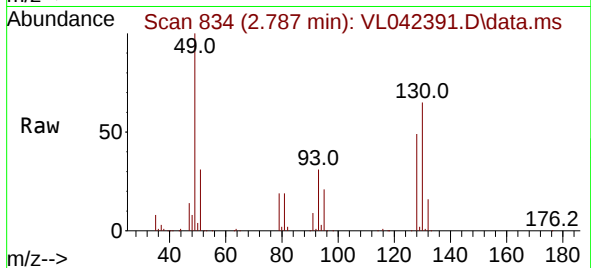




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

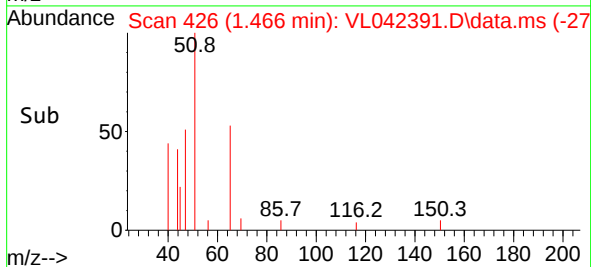
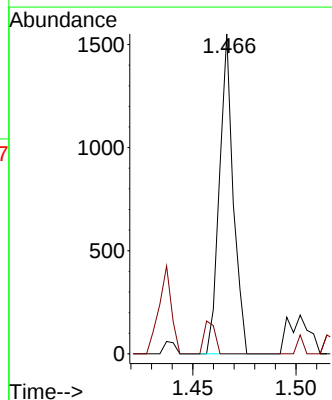
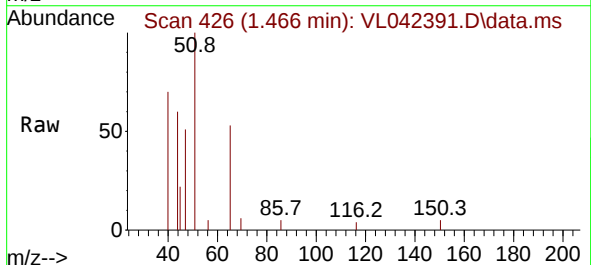
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL2

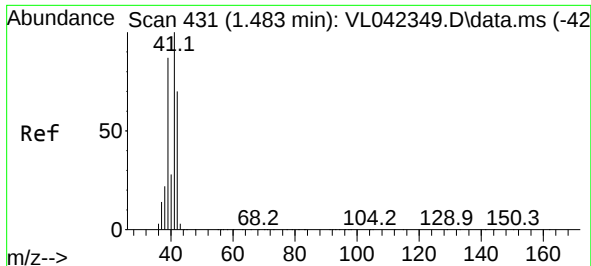
Tgt Ion: 49 Resp: 125703
Ion Ratio Lower Upper
49 100
128 50.5 22.8 68.4
130 65.7 29.3 88.0



#3
Chlorodifluoromethane
Concen: 0.034 ppbv
RT: 1.466 min Scan# 426
Delta R.T. -0.010 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

Tgt Ion: 51 Resp: 721
Ion Ratio Lower Upper
51 100
67 25.1 16.2 24.4#

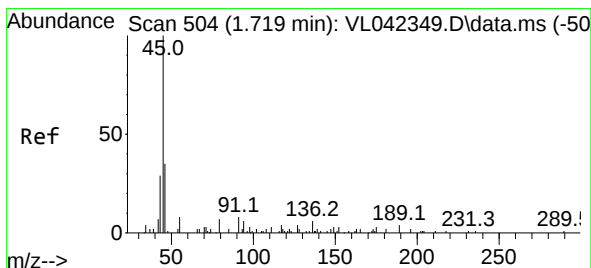
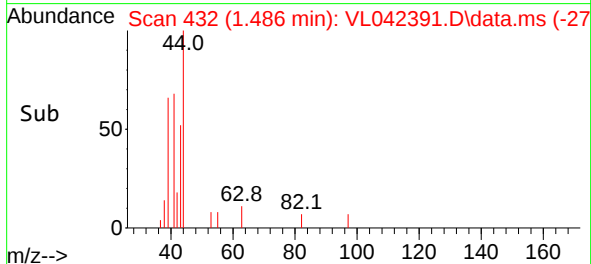
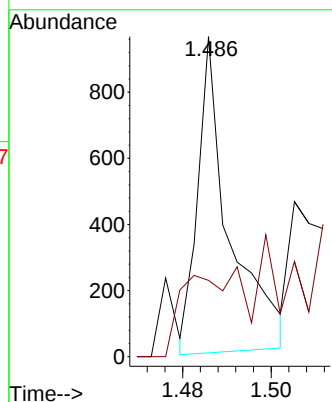
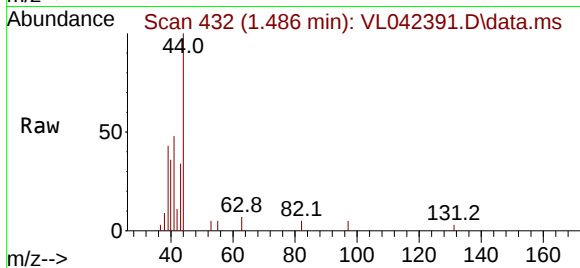




#9
Propene
Concen: 0.049 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

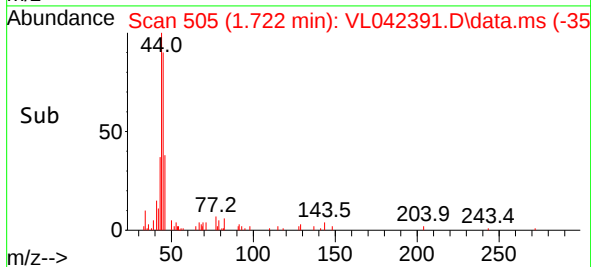
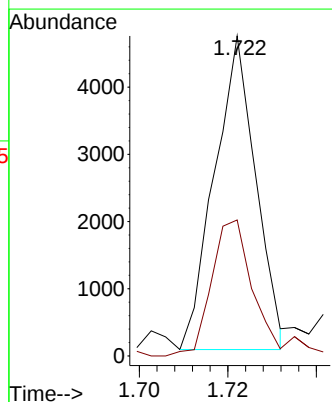
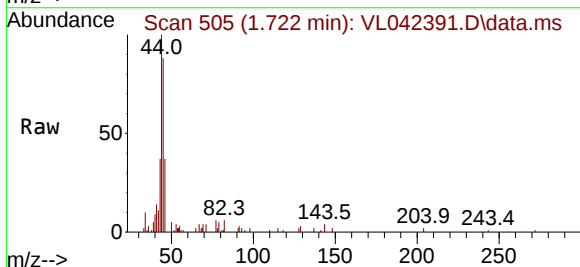
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL2

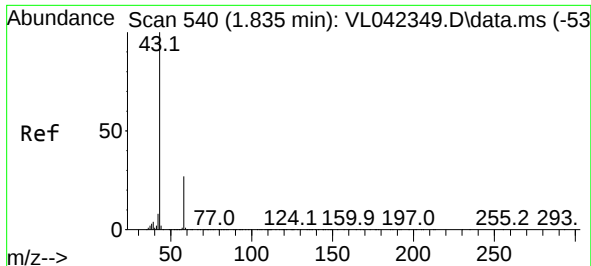
Tgt Ion: 41 Resp: 476
Ion Ratio Lower Upper
41 100
42 0.0 56.2 84.4#



#13
Ethanol
Concen: 1.977 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

Tgt Ion: 45 Resp: 3027
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7#

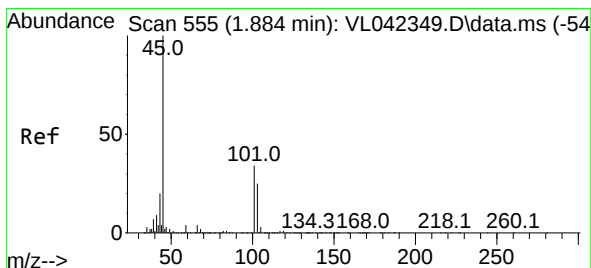
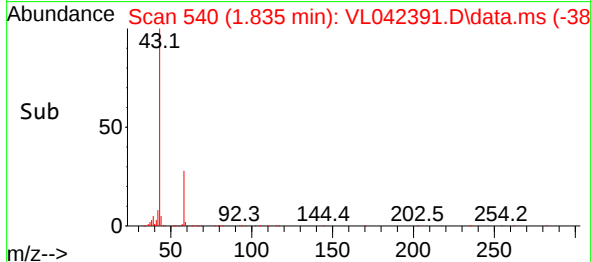
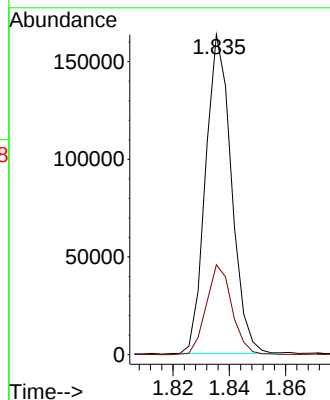
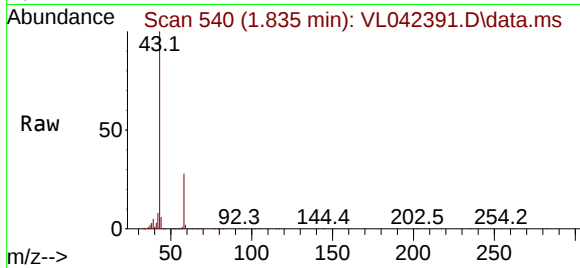




#15
Acetone
Concen: 5.058 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

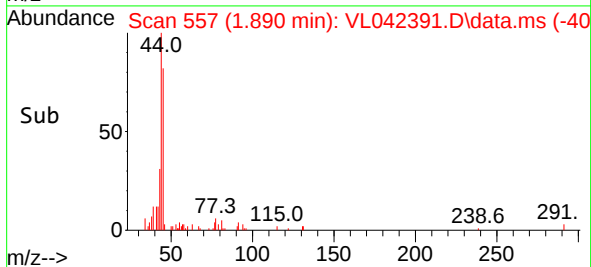
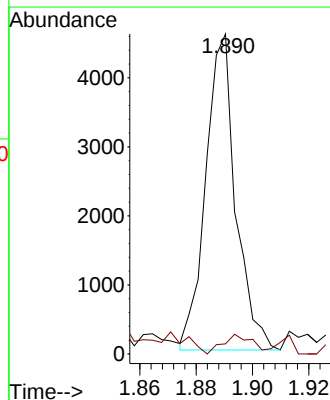
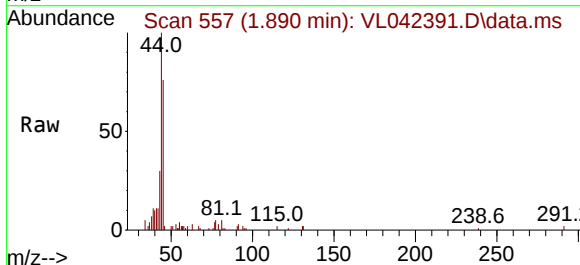
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL2

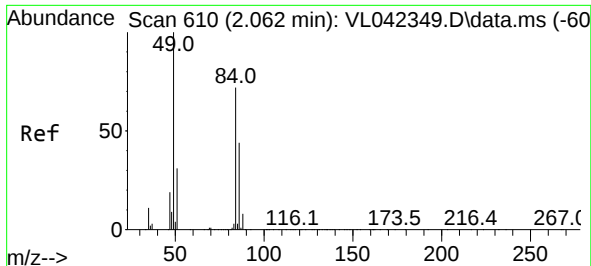
Tgt Ion: 43 Resp: 104075
Ion Ratio Lower Upper
43 100
58 28.5 22.4 33.6



#19
Isopropyl Alcohol
Concen: 0.295 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

Tgt Ion: 45 Resp: 3377
Ion Ratio Lower Upper
45 100
58 879.1 34.5 51.7#

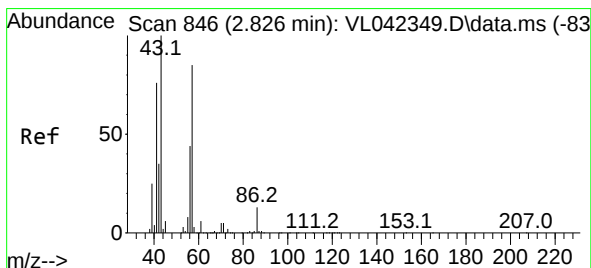
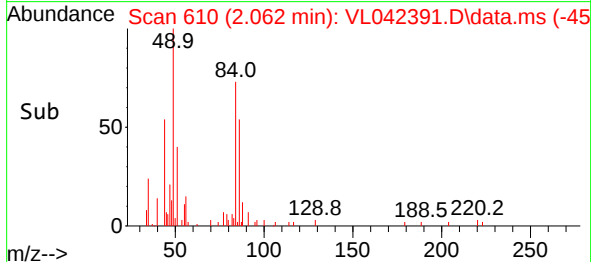
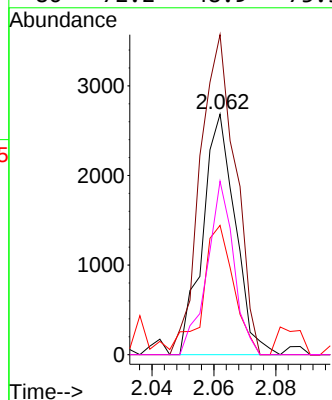
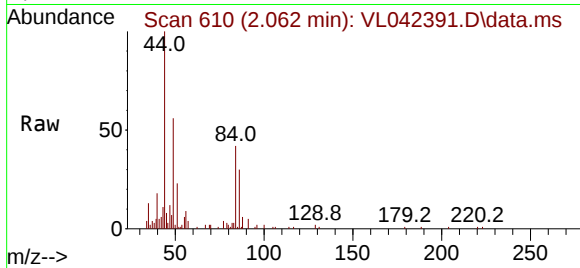




#20
Methylene Chloride
Concen: 0.242 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

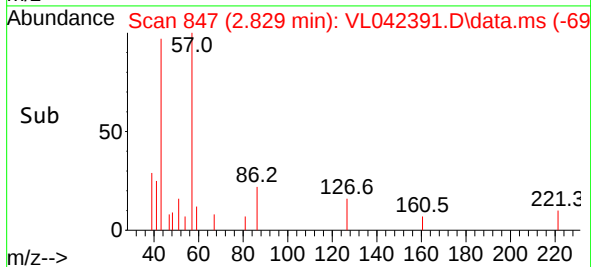
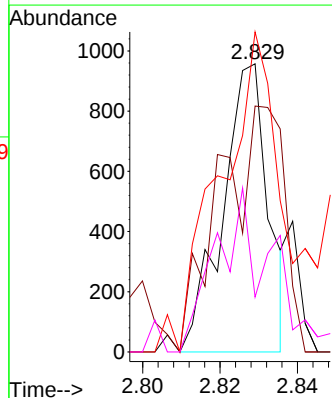
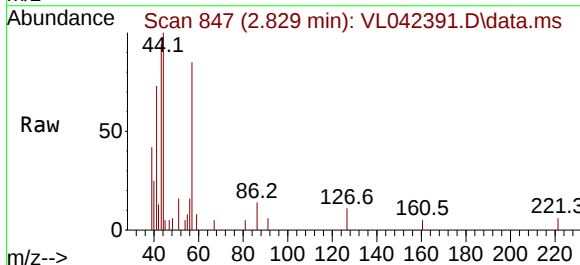
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL2

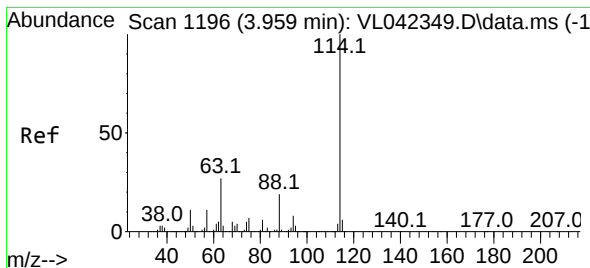
Tgt Ion: 84	Resp:	1951	
Ion	Ratio	Lower	Upper
84	100		
49	133.1	111.6	167.4
51	44.2	35.1	52.7
86	72.2	48.9	73.3



#26
Hexane
Concen: 0.038 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

Tgt Ion: 57	Resp: 781
Ion Ratio	Lower Upper
57 100	
41 135.7	77.9 116.9#
43 208.5	208.4 312.6
56 77.0	43.1 64.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.000 min

Lab File: VL042391.D

Acq: 18 Apr 2025 14:45

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-1-03312025DL2

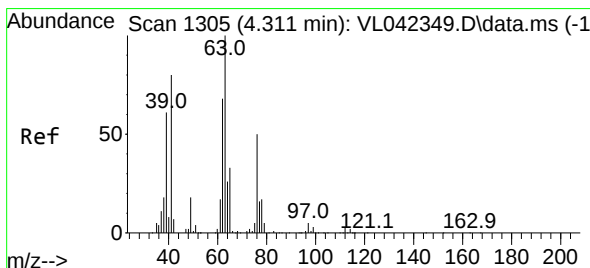
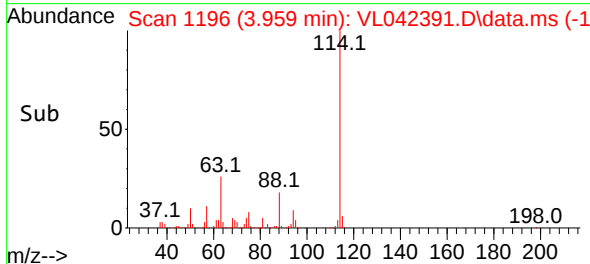
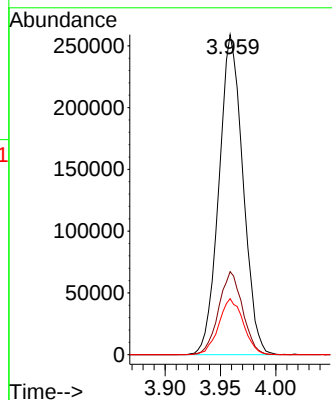
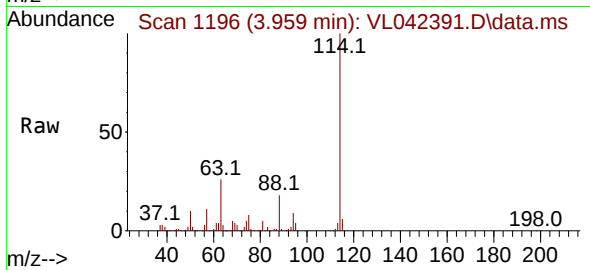
Tgt Ion:114 Resp: 390416

Ion Ratio Lower Upper

114 100

63 25.9 21.8 32.6

88 17.9 15.5 23.3



#39

1,2-Dichloropropane

Concen: 6.441 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042391.D

Acq: 18 Apr 2025 14:45

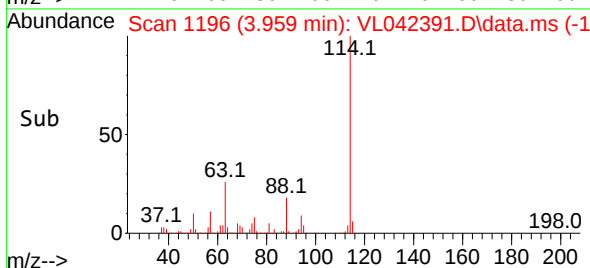
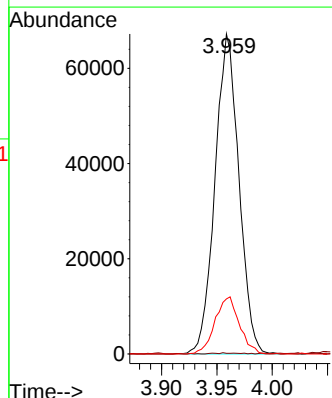
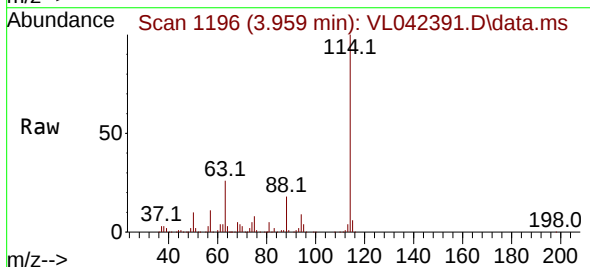
Tgt Ion: 63 Resp: 101075

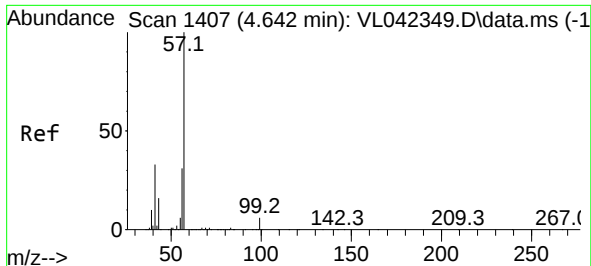
Ion Ratio Lower Upper

63 100

41 0.0 64.2 96.2#

62 17.2 54.3 81.5#

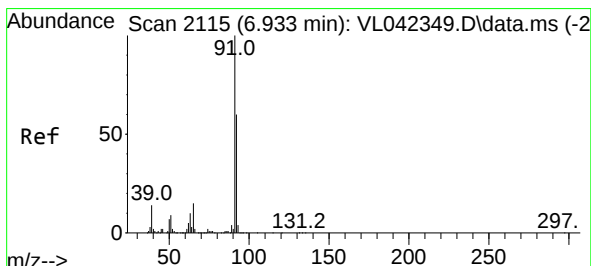
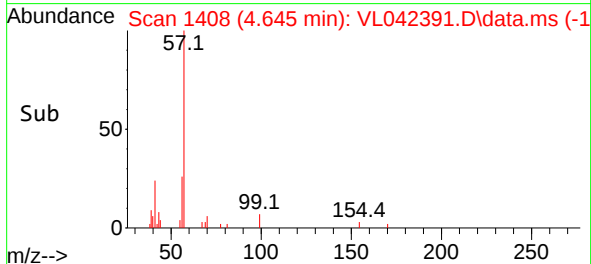
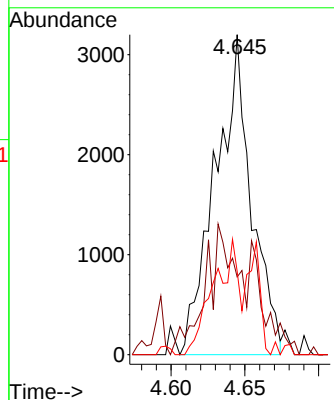
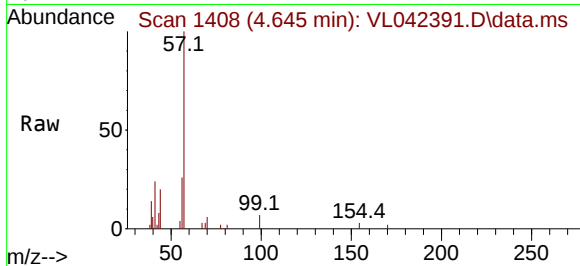




#44
2,2,4-Trimethylpentane
Concen: 0.075 ppbv
RT: 4.645 min Scan# 1407
Delta R.T. 0.003 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

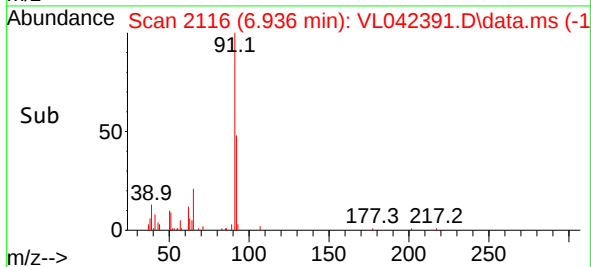
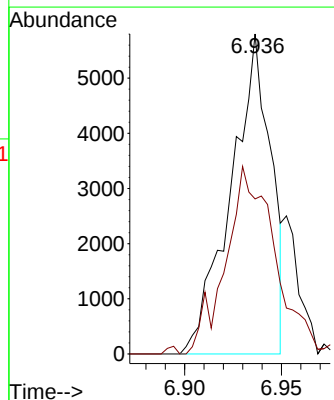
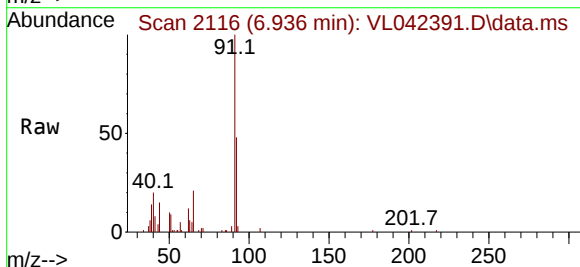
Instrument :
MSVOA_L
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IA-B2-1-03312025DL2

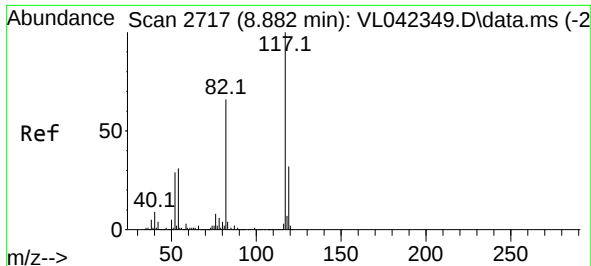
Tgt Ion: 57 Resp: 5432
Ion Ratio Lower Upper
57 100
41 51.0 27.2 40.8#
56 39.2 25.7 38.5#



#53
Toluene
Concen: 0.165 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

Tgt Ion: 91 Resp: 8344
Ion Ratio Lower Upper
91 100
92 72.7 48.2 72.4#

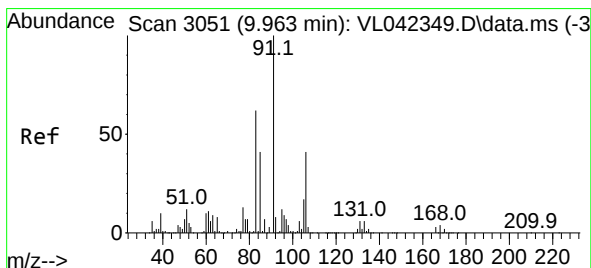
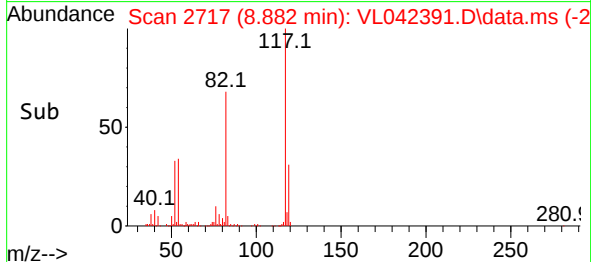
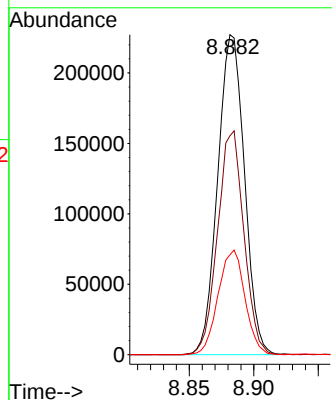
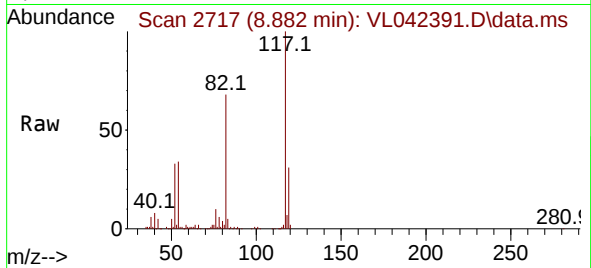




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

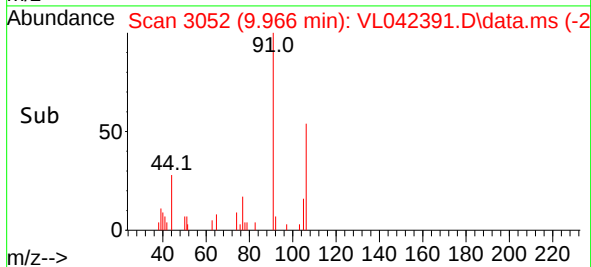
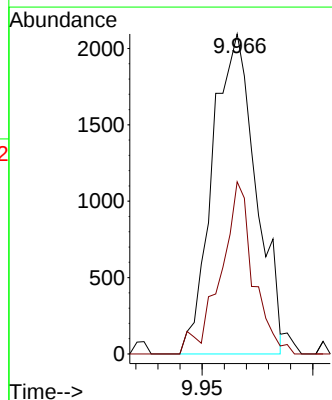
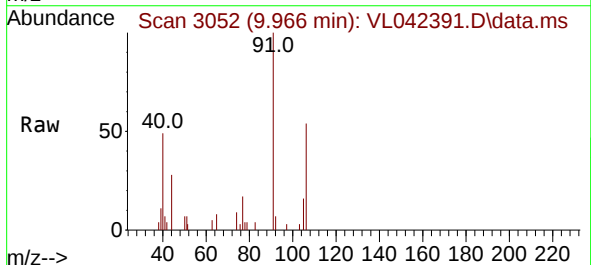
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL2

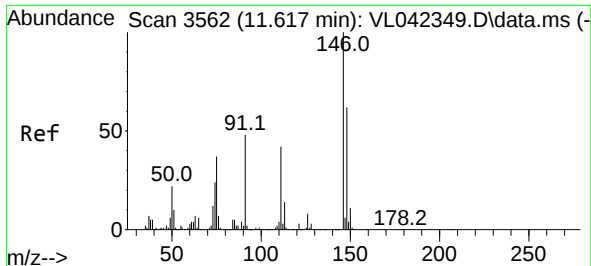
Tgt Ion:117 Resp: 327579
Ion Ratio Lower Upper
117 100
82 68.9 57.8 86.6
119 32.8 25.2 37.8



#60
o-Xylene
Concen: 0.055 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

Tgt Ion: 91 Resp: 2871
Ion Ratio Lower Upper
91 100
106 40.3 21.1 63.4

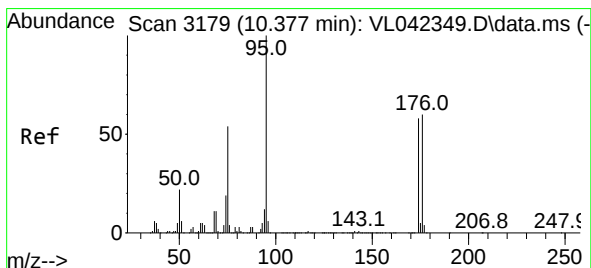
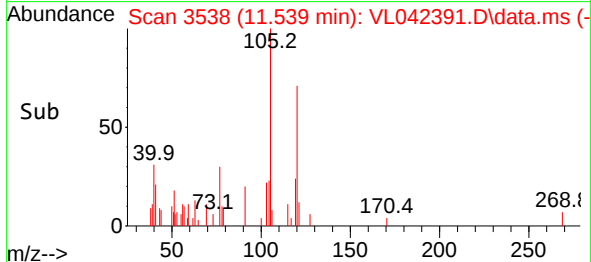
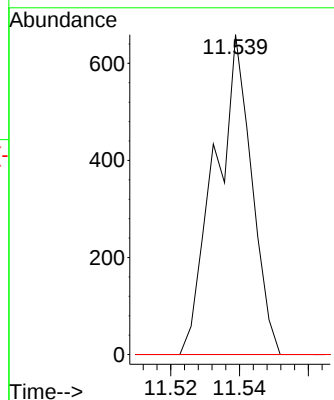
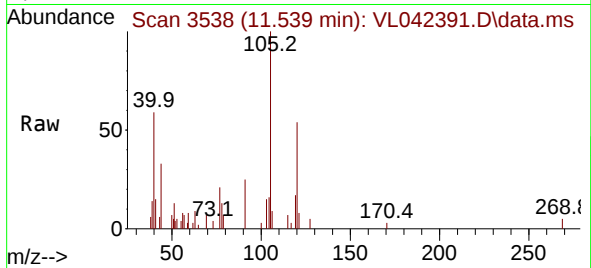




#66
Benzyl Chloride
Concen: 0.063 ppbv
RT: 11.539 min Scan# 311
Delta R.T. -0.078 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

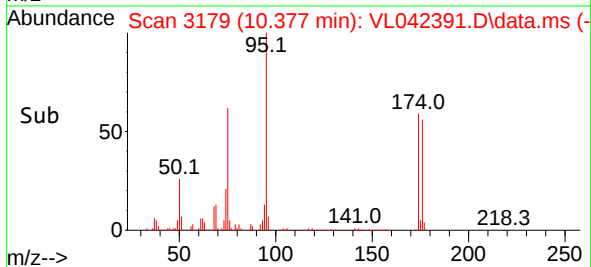
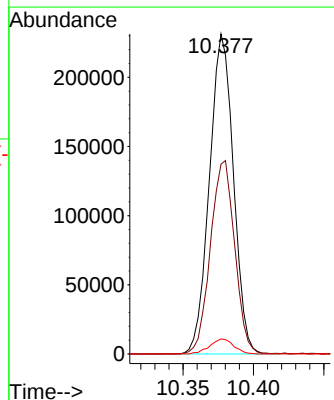
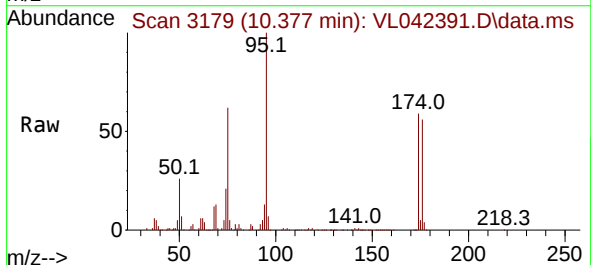
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL2

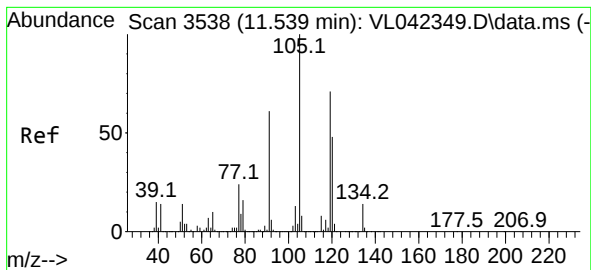
Tgt Ion: 91 Resp: 491
Ion Ratio Lower Upper
91 100
126 4.7 11.8 17.6#
128 0.0 4.5 6.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.175 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042391.D
Acq: 18 Apr 2025 14:45

Tgt Ion: 95 Resp: 273896
Ion Ratio Lower Upper
95 100
174 61.3 48.5 72.7
175 4.7 3.7 5.5





#74

1,2,4-Trimethylbenzene

Concen: 0.037 ppbv

RT: 11.532 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL042391.D

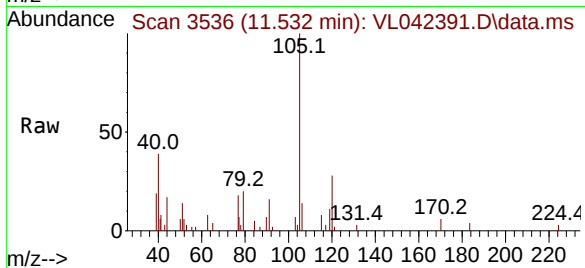
Acq: 18 Apr 2025 14:45

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-1-03312025DL2



Tgt Ion:105 Resp: 2488

Ion Ratio Lower Upper

105 100

120 27.7 38.1 57.1#

91 16.2 48.8 73.2#

77 25.4 19.0 28.4

